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SCIENTIFIC NOTES AND NEWS

DR. A. A. MICHELSON, professor of physics in the University of Chicago, has been elected president of the American Association for the Advancement of Science for the meeting to be held next year at Minneapolis. Vice-presidents of the sections have been elected as follows:

Section A—Mathematics and Astronomy—Professor E. H. Moore, University of Chicago.

Section B—Physics—Dr. E. B. Rosa, Bureau of Standards, Washington, D. C.

Section C—Chemistry—Professor G. B. Frankforter, University of Minnesota.

Section D—Mechanical Science and Engineering—Professor A. L. Rotch, Blue Hill Meteorological Observatory.

Section E—Geology and Geography—Dr. John M. Clarke, state geologist of New York, Albany, N. Y.

Section F—Zoology—Professor Jacob Reighard, University of Michigan.

Section G—Botany—Professor R. A. Harper, University of Wisconsin.

Section H—Anthropology and Psychology—Professor Roland B. Dixon, Harvard University.

Section I—Social and Economic Science—The Hon. T. E. Burton, Cleveland, Ohio.

Section K—Physiology and Experimental Medicine—Professor F. G. Novy, University of Michigan.

Section L—Education—President A. Ross Hill, University of Missouri.

Permanent Secretary—Dr. L. O. Howard, Washington, D. C.

General Secretary—Professor Frederic E. Clements, University of Minnesota.

Secretary of the Council—Professor John Zeleny, University of Minnesota.

Secretary of the Section of Social and Economic Science—Fred C. Croxton, Washington, D. C.

At the recent Boston meeting of the American Society of Naturalists, Dr. D. T. MacDougal, director of the department of botanical research of the Carnegie Institution, was elected president and Dr. Charles R. Stockard, of the Cornell Medical School, secretary.

PROFESSOR W. D. BANCROFT, of Cornell University, has been elected president of the American Chemical Society. The councillors at large elected were: A. D. Little, of Boston; Dr.

Leo H. Baekeland, of Yonkers, N. Y., and Professor W. L. Dudley, of Vanderbilt University.

PROFESSOR W. B. PILLSBURY, of the University of Michigan, has been elected president of the American Psychological Association.

At the recent annual meeting of the New York Academy of Science, Professor James F. Kemp was elected president and Dr. Geo. F. Kunz, Dr. Chas. B. Davenport, Professor William Campbell, Dr. Maurice Fishberg, vice-presidents. Honorary members were elected as follows: Dr. F. K. Göbel, professor of botany in the University of Munich; Dr. Paul Groth, professor of mineralogy, University of Munich, Professor Alfred Lacroix, Musée d'Histoire Naturelle, Paris, Dr. August Weismann, professor of zoology, University of Freiburg.

At the fifth annual meeting of the Southern Society for Philosophy and Psychology, held at Charlotte, N. C., on December 28, 1909, the following officers for the year 1910 were elected: *President*, Edward Franklin Buchner, Johns Hopkins University; *Vice-president*, Shepherd Ivory Franz, George Washington University; *Secretary-treasurer*, Robert Morris Ogden, University of Tennessee. A. Caswell Ellis, University of Texas, and David Spence Hill, Peabody College for Teachers, were elected members of the council to serve two years, and Bruce R. Payne, University of Virginia, and Haywood J. Pearce, Brenau College, to serve three years.

DR. EMIL FISCHER, professor of chemistry at Berlin, has been given an honorary doctorate in the natural sciences by the University of Brussels.

M. SIMON has been elected a corresponding member of the Paris Academy of Sciences, in the section for anatomy and zoology.

LIEUTENANT COLONEL D. PRAIN, director of the Kew Botanic Gardens, and Dr. F. O. Bower, professor of botany at Glasgow, have been elected corresponding members of the Munich Academy of Sciences.

AN oil painting by Mr. William Churchill of Professor William T. Sedgwick, head of

the department of biology of the Massachusetts Institute of Technology, has been presented to the institute by past students and associates. The portrait will be hung in the near future with appropriate ceremonies.

M. E. YSEAUX, professor of zoology and paleontology at Brussels, has retired from active service.

MR. HENRY B. HEDRICK, for many years assistant in the Nautical Almanac, U. S. Naval Observatory, has received an appointment in astronomy at Yale University, beginning January 1, 1910.

PROFESSOR WILLIAM MORRIS DAVIS gave a lecture before the geological department of Colgate University on the evening of December 20. His subject was, "The Italian Riviera Levante."

DR. J. C. BRANNER, professor of geology in Stanford University, will read a paper on "The Geology of the Black Diamond Regions of Bahia, Brazil" before the American Philosophical Society at the meeting on January 7.

A MONUMENT in memory of the eminent surgeon, Jules Péan, was unveiled before the hospital which he founded and which bears his name, on December 17. The address was made by M. Alfred Mézières, in the presence of the president of the republic and other distinguished guests.

SIR ALFRED JONES, who was largely responsible for the foundation and support of the Liverpool School of Tropical Medicine, has bequeathed the residue of his estate to public purposes to be selected by his executors, but with an indication favoring the School of Tropical Medicine. The estate is large, but the amount that will be available for public purposes is not known.

DR. P. FENNER, professor of geodesy in the Technical School at Darmstadt, has died at the age of fifty-six years.

THE fourth Congress for Experimental Psychology will meet at Innsbruck on April 19.

A FREE exhibition of 700 photographs illustrating the flora, fauna and scenery of central and western China was opened at Horticul-

tural Hall, Boston, on December 27, to last two weeks. These photographs are the property of Arnold Arboretum, and were made by Mr. E. H. Wilson, the head of the Arboretum botanical exploration expedition, during the years 1907-8.

THE council of the New York Academy of Medicine announces that the income of the Edward N. Gibbs fund, amounting to five hundred dollars a year, will be granted for a period of years to a qualified worker to be selected by the council from those who may apply for its use in research in the clinical, pathological or chemical problems of diseases of the kidney.

THE Women's Medical Association of New York City offers the Mary Putnam Jacobi fellowship of \$800 available for post-graduate study. It is open to any woman graduate in medicine. Applications should be forwarded to the chairman of the committee on award, Dr. Emily Lewi, 35 Mt. Morris Park, W., New York City.

THE following telegram, dated December 31, has been received at the Harvard College Observatory from Professor E. B. Frost, director of the Yerkes Observatory. "Prismatic camera shows light of Halley's comet to be now largely due to third cyanogen band."

DRS. JOHN F. ANDERSON and Joseph Goldberger, of the Hygienic Laboratory, U. S. Public Health and Marine-Hospital Service, who have been in Mexico City since November 1 studying typhus fever, have issued two notes on their work of much interest as to this disease. In the first paper they showed that Mexican typhus fever is not identical with Rocky Mountain spotted fever. In their second paper they report negative results in all their cultures. By the inoculation of blood from cases of typhus fever in two monkeys a course of fever resembling that in cases of human typhus was produced, ending in crisis in one case on the tenth day and the other on the thirteenth day. These papers were published in the Public Health Reports of December 10 and 24, 1909. Now that an animal susceptible to the disease has been found, it is hoped their

studies may result in determining the mode of transmission of this disease.

THE course of lectures delivered by the Kaiser Wilhelm professor in Columbia University, Professor Carl Runge, of the University of Göttingen, is to be published in book form by Columbia University. The subject of the lectures is "Graphical Methods in Mathematics and Physics." The lectures treat of a subject which has not received sufficient attention either in this country or abroad. A considerable amount of the material contained in the lectures is original with Professor Runge. The methods studied have many important applications in astronomy, physics, engineering and various departments of technology.

THE proper manipulation of the microscope requires an adequate knowledge of the optical and mechanical principles underlying its construction. As an adjunct to their treatise on the "Manipulation of the Microscope" by Edward Bausch, the Bausch & Lomb Optical Company has recently issued a chart of the microscope stand. Side by side are shown a perspective view and a vertical cross-section of the most modern type of instrument. The different parts and accessories are lettered and named and the path of the rays and the formation of the various images is shown. The chart, 3' 6" by 4' 7" in size, is executed in colors and mounted on cloth, with rollers at the top and bottom. It is a useful addition to the equipment of the laboratory and is now being distributed to the leading scientific institutions of the country.

DR. JOSEPH E. POGUE, who is in charge of the Division of Mineralogy in the U. S. National Museum, has recently described in the Smithsonian "Miscellaneous Collections" a remarkable specimen of pyrite studded with crystals of gold and partly covered with plates of galena from the Snettisham District near Juneau, southeast Alaska. The pyrite is in the usual form of a cube, but what is very remarkable is that there are on it more than one hundred and thirty well-defined crystals of metallic gold. These are also in the cubical

system and from one third to one half buried in the pyrite, never more, and seem to have no definite relation to the crystallization of the pyrite. Similarly crystals of galena and chalcopyrite are found on the pyrite. The structure and relation of the galena to the pyrite is of considerable scientific interest and is described in technical detail by the author.

UNIVERSITY AND EDUCATIONAL NEWS

AN endowment fund of \$500,000 for Trinity College has been raised.

MR. N. T. KIDDER has assumed the expense of the addition now being built for the Gray Herbarium, Harvard University, amounting to about \$11,000. The corporation has voted to have this addition called the Kidder Wing.

ALBERT P. SY, Ph.D., has been appointed professor of chemistry and director of chemical laboratories at the University of Buffalo, to succeed Dr. H. M. Hill, who resigned last summer.

DR. E. C. MOORE, superintendent of schools at Los Angeles, Cal., has been elected to the newly established professorship of education at Yale University and has accepted.

M. E. BALIZE, of Nancy, has been appointed professor of organic chemistry, at Paris, and is succeeded at Nancy by M. Grignard.

M. LAMEERE has been appointed professor of zoology and comparative anatomy at Brussels.

DISCUSSION AND CORRESPONDENCE

THE LUMINOSITY OF TERMITES

IN SCIENCE of October 22, 1909, XXX., 574-575, Mr. Frederick Knab points out that the mounds made by certain Brazilian termites, or possibly the termites themselves, are luminous.

Although I have seen many thousands of the mounds made by termites in all parts of Brazil, I do not remember ever having observed this luminosity. A specimen of the nest materials was lately sent me by a Brazilian friend from the vicinity of Queluz, in